

FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0652.2190001/EKS/M-M	APPLICATION NO. 09/987,455
	APPLICANT Manosroi et al.	
	FILING DATE November 14, 2001	GROUP 1652

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
we	AA						
we	AB1	2003/0013150 A1	01/16/2003	Manosroi et al.			11/14/2001
	AC1	2003/0049729 A1	03/13/2003	Manosroi et al.			11/14/2001
	AD						
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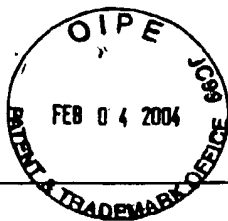
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
we	AN2	WO 02/40696	05/23/2002	WIPO			Yes No
we	AO2	WO 02/40650	05/23/2002	WIPO			Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

we	AR	17	Hu, S.Z., et al., "Minibody: A Novel Engineered Anti-Carcinoembryonic Antigen Antibody Fragment (Single-chain Fv-CH ₃) which exhibits rapid, high-level targeting of xenografts," <i>Cancer Res.</i> 56:3055-3061, American Association for Cancer Research (1996).
we	AS	17	Huston, J.S., et al., "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 85:5879-5883, National Academy of Sciences (1988).
we	AT	17	Kortt, A.A., et al., "Single-chain Fv fragments of anti-neuraminidase antibody NC10 containing five- and ten-residue linkers form dimers and with zero-residue linker a trimer," <i>Protein Eng.</i> 10:423-433, Oxford University Press (1997).

EXAMINER <i>N. Shedd</i>	DATE CONSIDERED <i>4/26/04</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	



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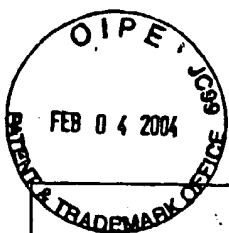
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NE	AR	18	Lovejoy, B., et al., "Crystal Structure of a Synthetic Triple-Stranded α -Helical Bundle," <i>Science</i> 259:1288-1293, American Association for the Advancement of Science (1993).
NE	AS	18	NCBI Entrez, Genbank report, Accession No. AF268281, from Rader, C., and Barbas, C.F. III (October 2000).
NE	AT	18	Pack, P., et al., "Improved Bivalent Miniantibodies, with Identical Avidity as Whole Antibodies, Produced by High Cell Density Fermentation of <i>Escherichia coli</i> ," <i>Bio/Technology</i> 11:1271-1277, Nature Publishing Co. (1993).

EXAMINER <i>NE/heel 4/26/04</i>	DATE CONSIDERED
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	AO						Yes No
	AP						Yes No

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NE	AR	19	Pack, P., et al., "Tetavalent Miniantibodies with High Avidity Assembling in <i>Escherichia coli</i> ," <i>J. Mol. Biol.</i> 246:28-34, Academic Press Ltd. (1995).
NE	AS	19	Perisic, O., et al., "Crystal structure of a diabody, a bivalent antibody fragment," <i>Structure</i> 2:1217-1226, Current Biology Ltd. (1994).
NE	AT	19	Sivaprasadarao, A. and Findlay, J.B., "Expression of functional human-retinol-binding protein in <i>Escherichia coli</i> using a secretion vector," <i>Biochem. J.</i> 296:209-215, Biochemical Society/Portland Press (1993).

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we	AR	20	NCBI Entrez, GenBank Report, Accession No. E02814, from Habuka, N., et al. (1991).
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	AT		

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